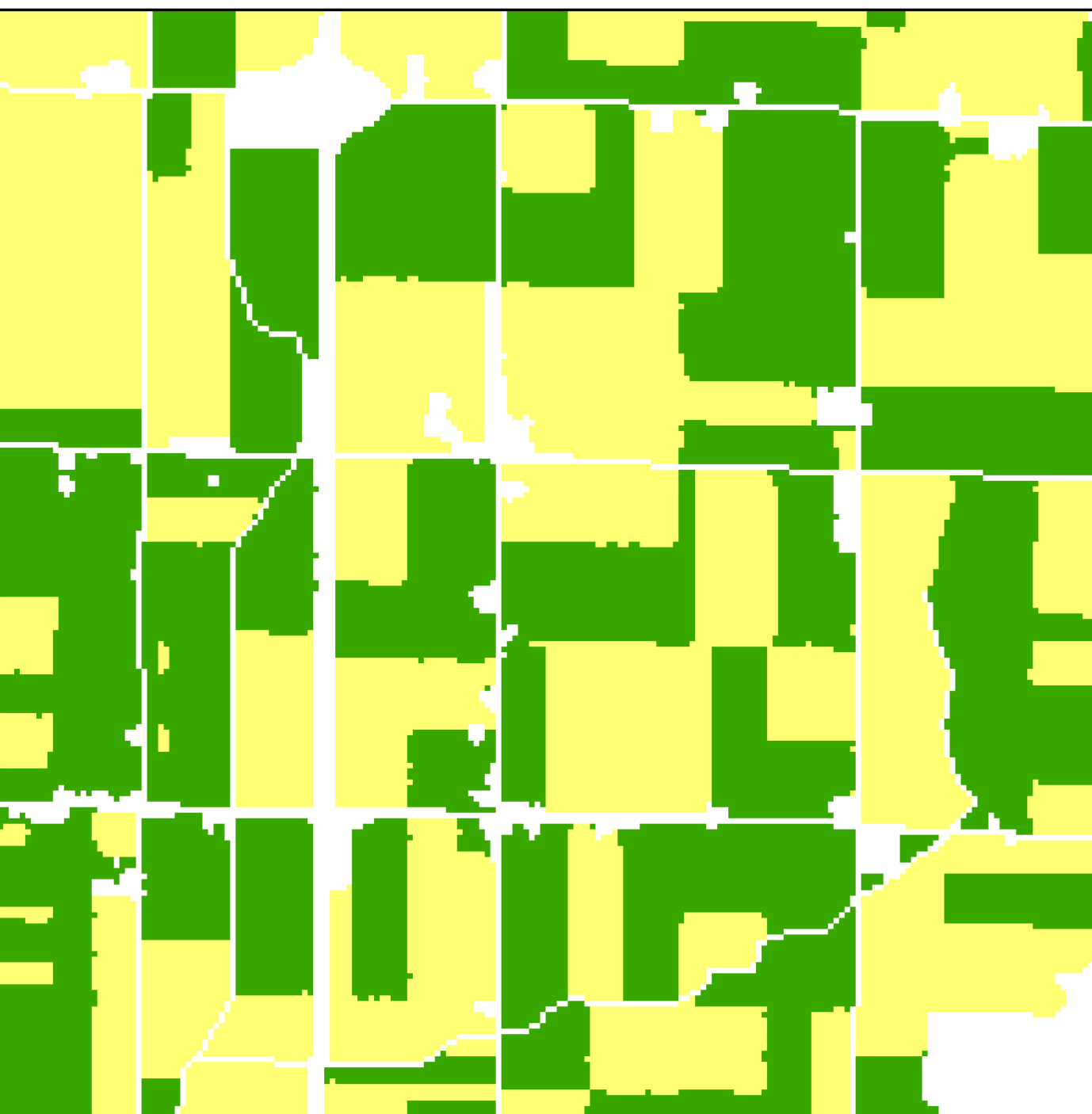




Land Cover

Year: 2000
Site: AGRO (Illinois, USA)
Biome: Cropland

-  Corn
-  Soybean
-  Urban / Built-Up



1 km

WGS84 - UTM 16N



www.fsl.orst.edu/larse/bigfoot



Leaf Area Index

Year: 2000
Site: AGRO (Illinois, USA)
Biome: Cropland



$m^{-2} m^{-2}$

8

0



1 km

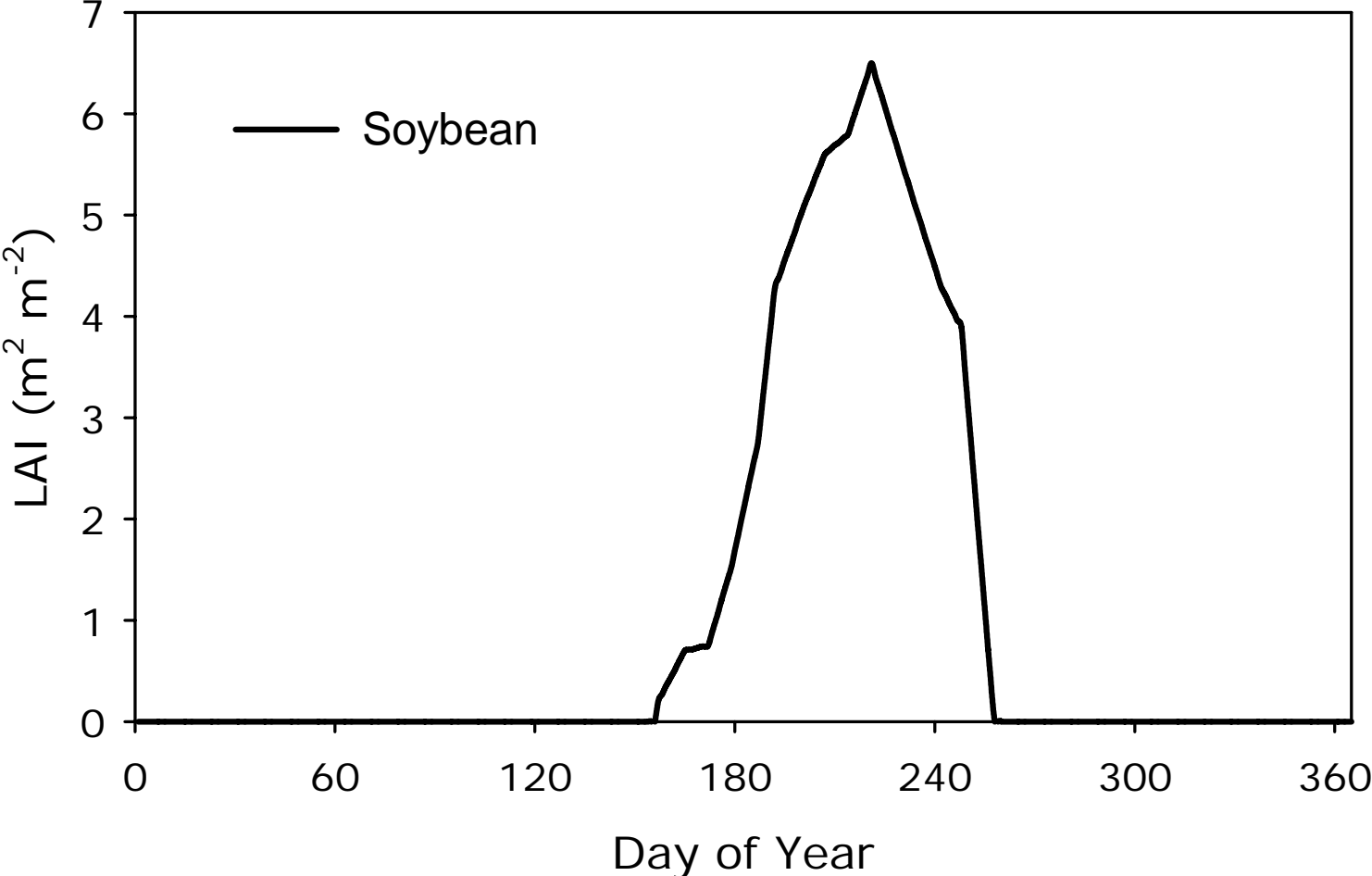
WGS84 - UTM 16N



www.fsl.orst.edu/larse/bigfoot

BigFoot
LAI Seasonal Trajectory
Soybean

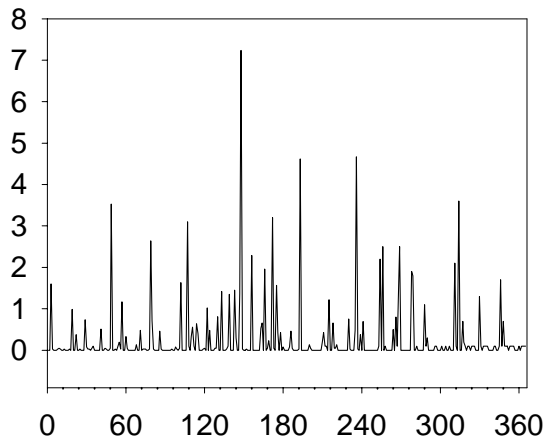
Year: 2000
Site: AGRO (Illinois, USA)
Biome: Cropland



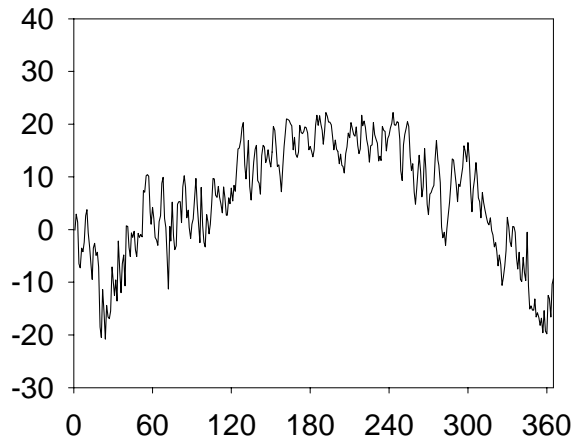
BigFoot Meteorological Inputs

Year: 2000
Site: AGRO (Illinois, USA)
Biome: Cropland

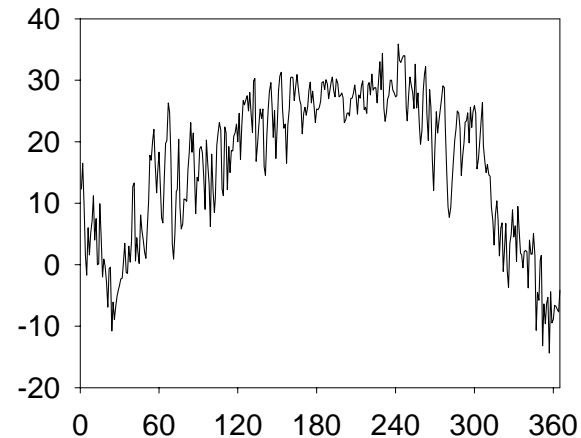
Precipitation (cm)



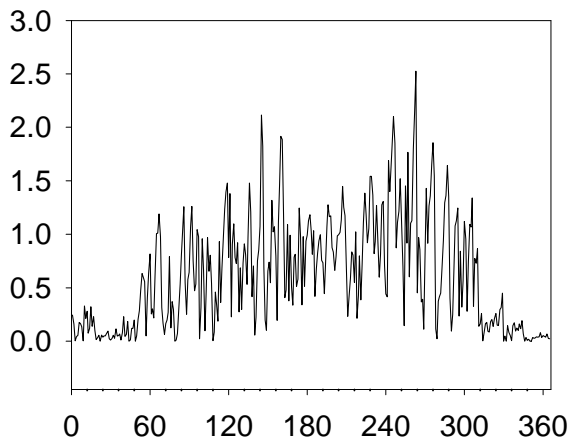
Minimum Temperature (°C)



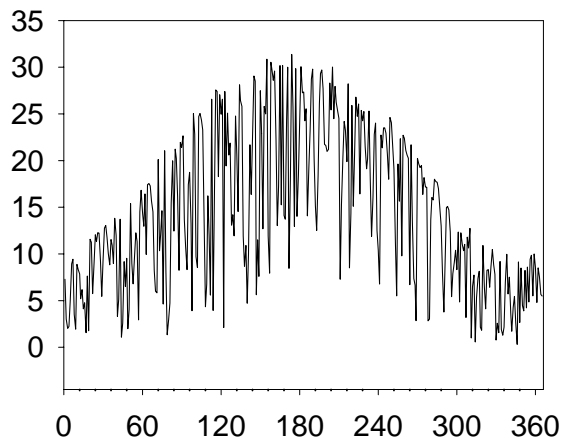
Maximum Temperature (°C)



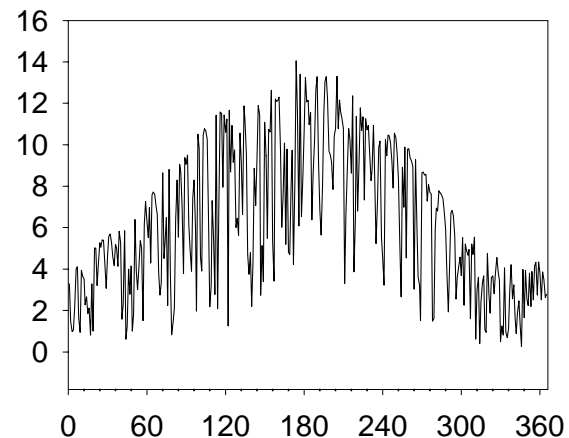
Vapor Pressure Deficit (kPa)



Shortwave Radiation (MJ m⁻² d⁻¹)



PAR (MJ m⁻² d⁻¹)



Day of Year

Day of Year

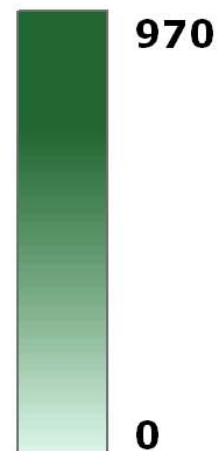
Day of Year



Net Primary Production

Year: 2000
Site: AGRO (Illinois, USA)
Biome: Cropland

$\text{gC m}^{-2} \text{yr}^{-1}$



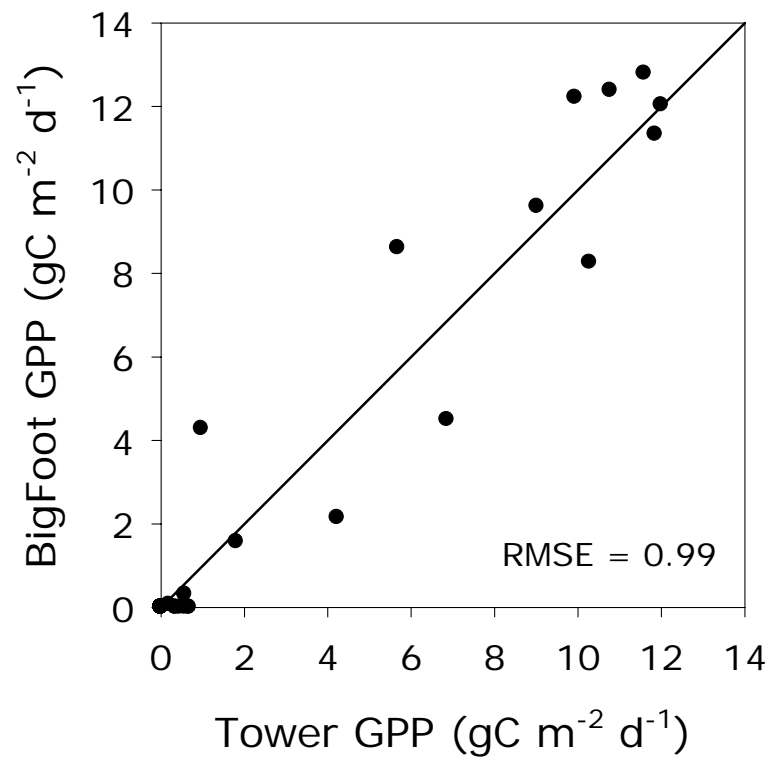
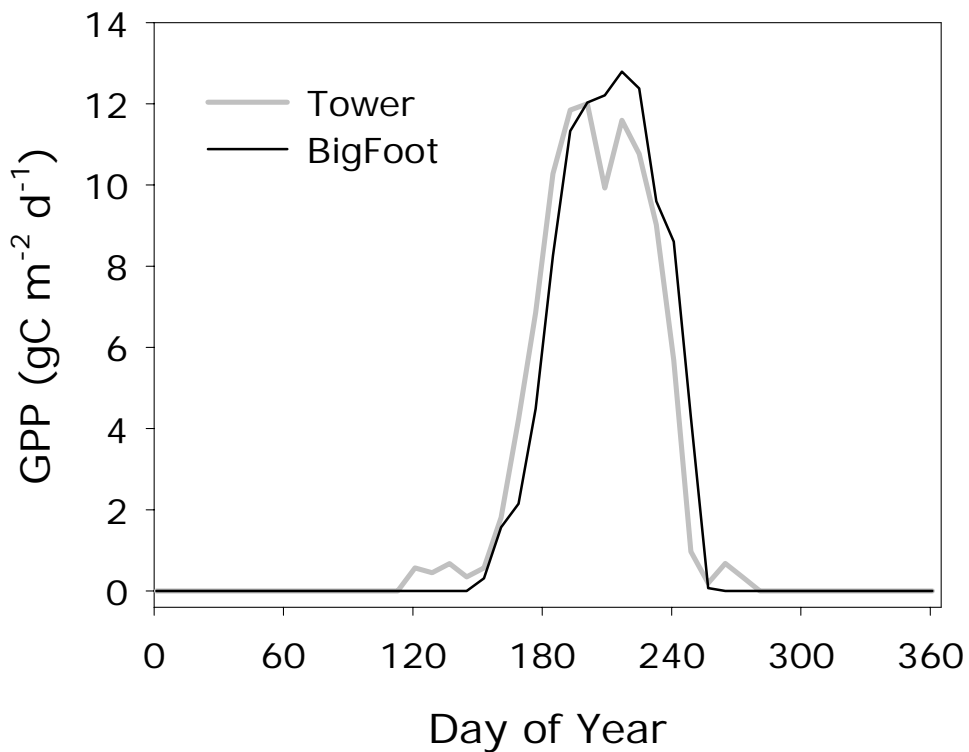
1 km
WGS84 - UTM 16N



www.fsl.orst.edu/larse/bigfoot

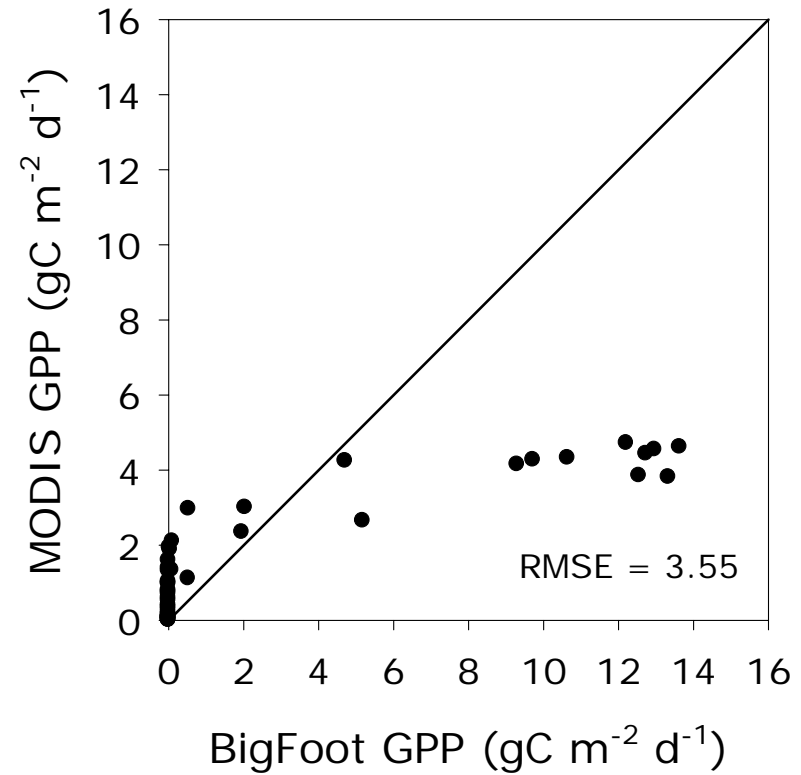
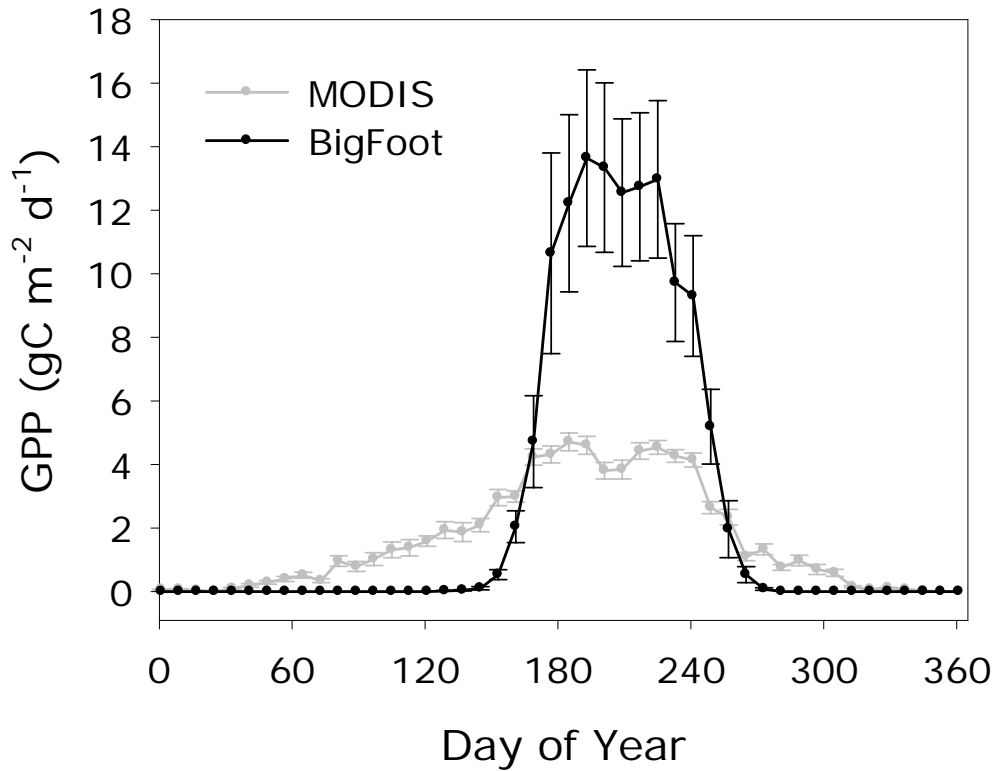
**BigFoot
GPP Comparison
BigFoot vs. Tower**

**Year: 2000
Site: AGRO (Illinois, USA)
Biome: Cropland**



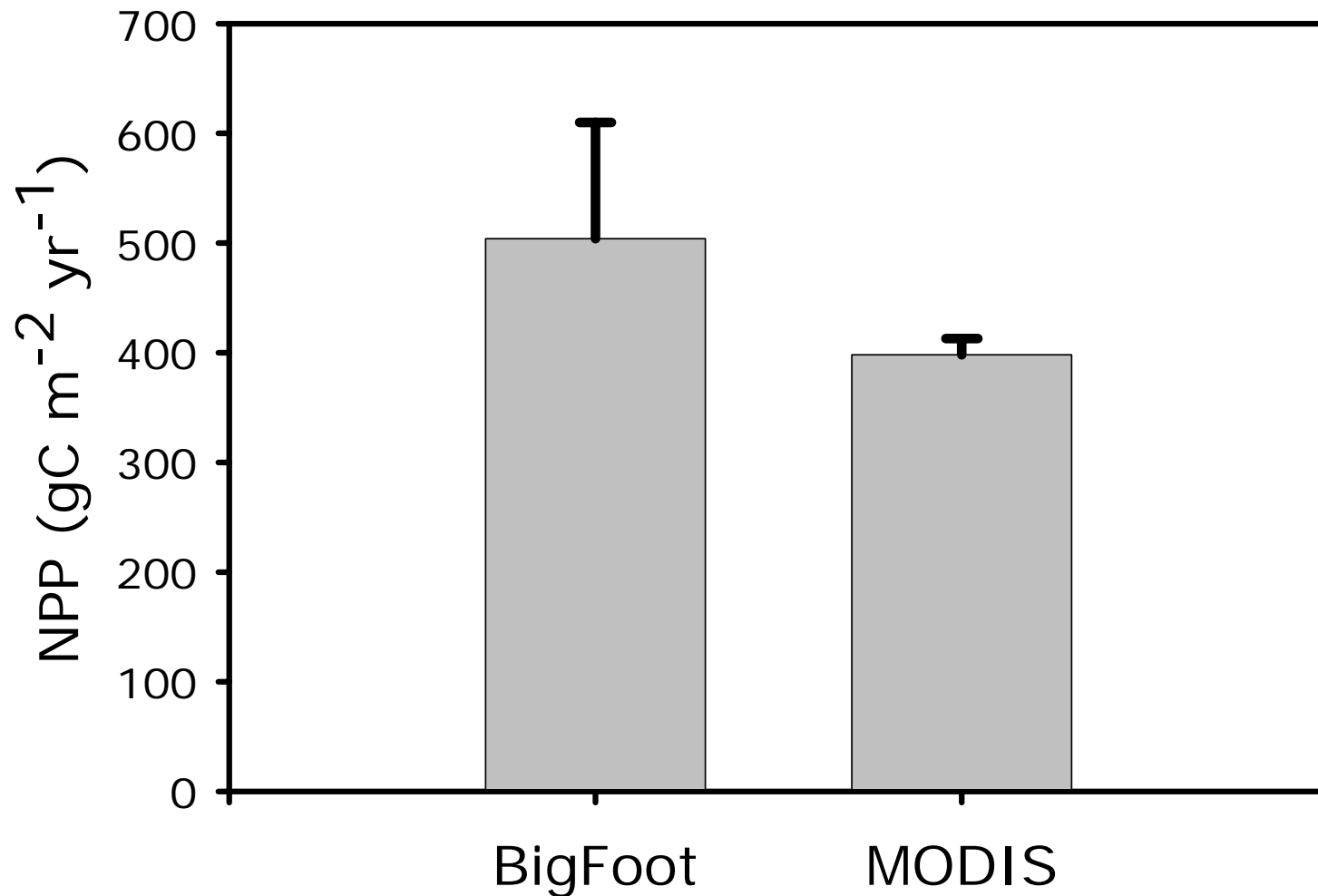
BigFoot
GPP Comparison
BigFoot vs. MODIS

Year: 2000
Site: AGRO (Illinois, USA)
Biome: Cropland



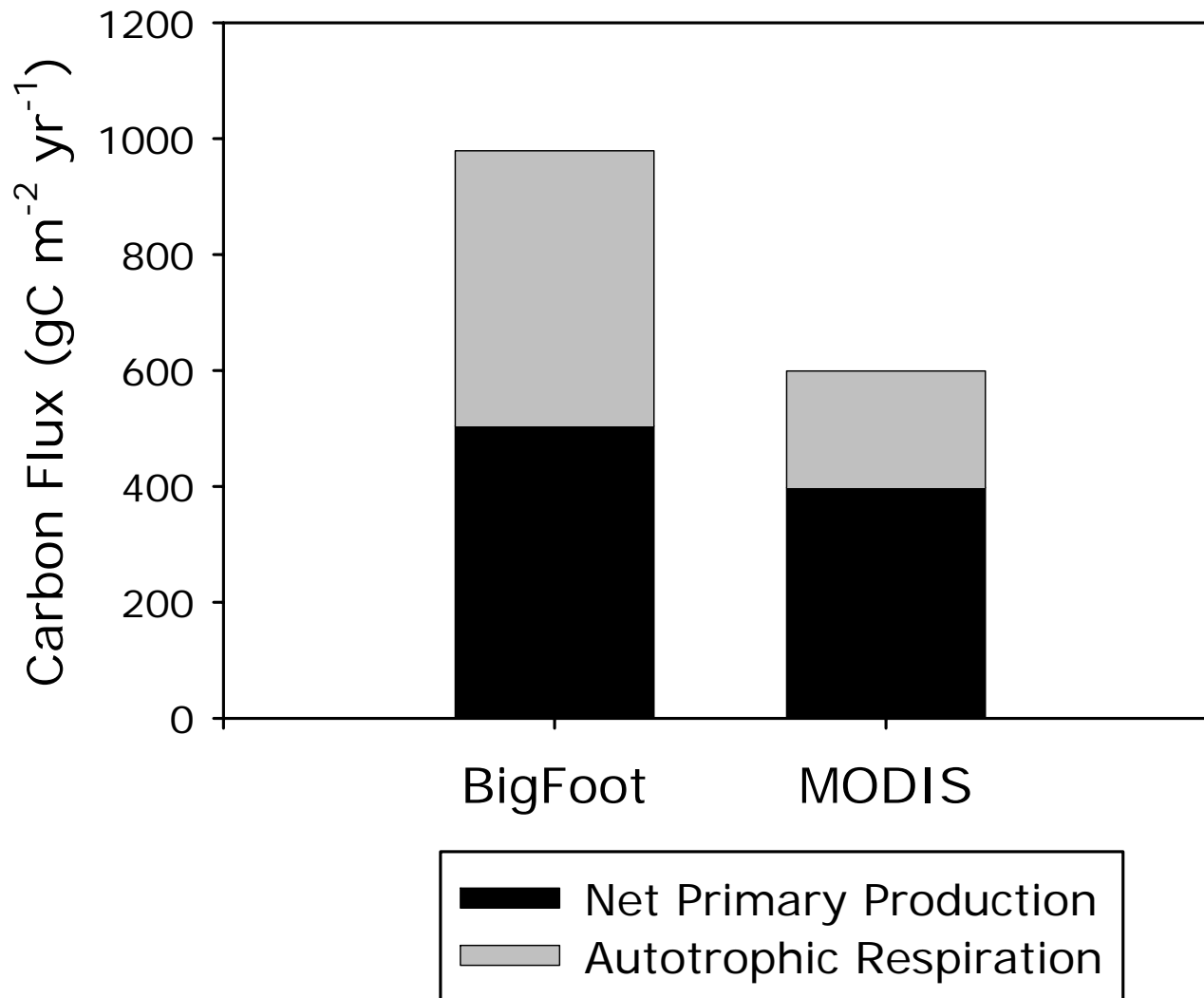
**BigFoot
NPP Comparison
BigFoot vs. MODIS**

**Year: 2000
Site: AGRO (Illinois, USA)
Biome: Cropland**



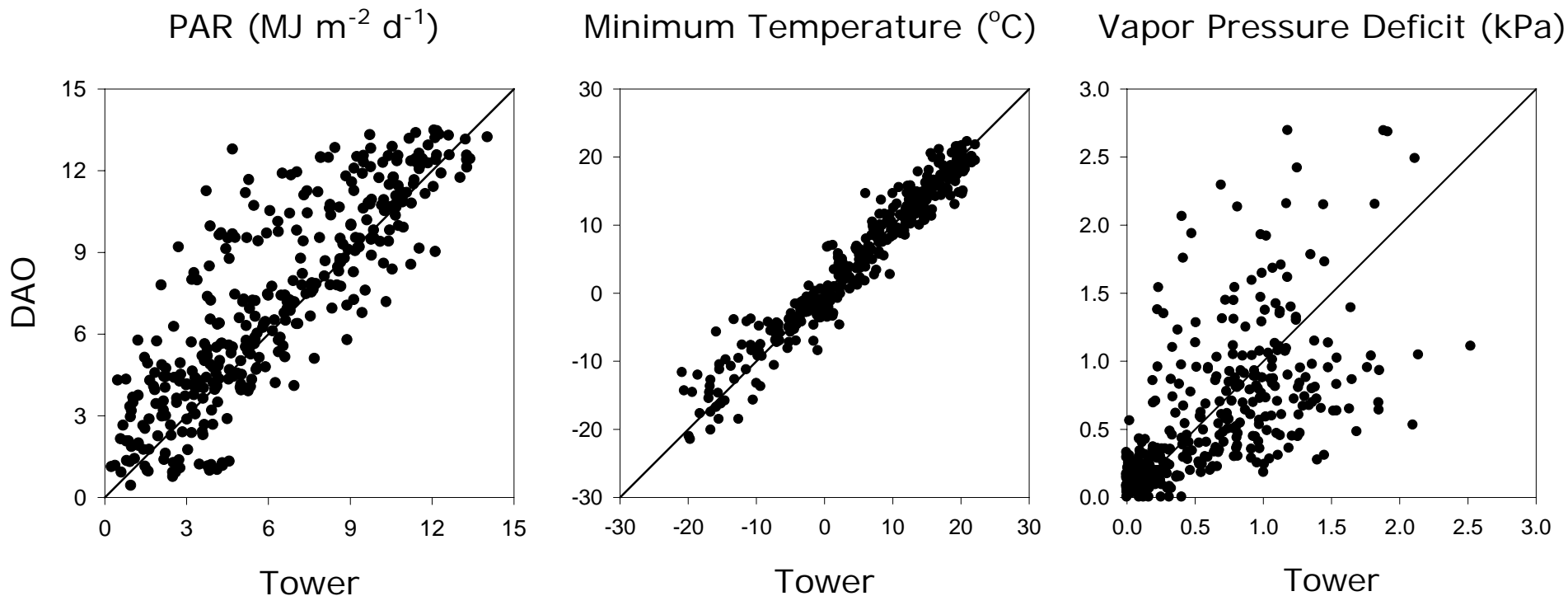
BigFoot
Carbon Flux Comparison
BigFoot vs. MODIS

Year: 2000
Site: AGRO (Illinois, USA)
Biome: Cropland



**BigFoot
Meteorological Comparison
Tower vs. DAO***

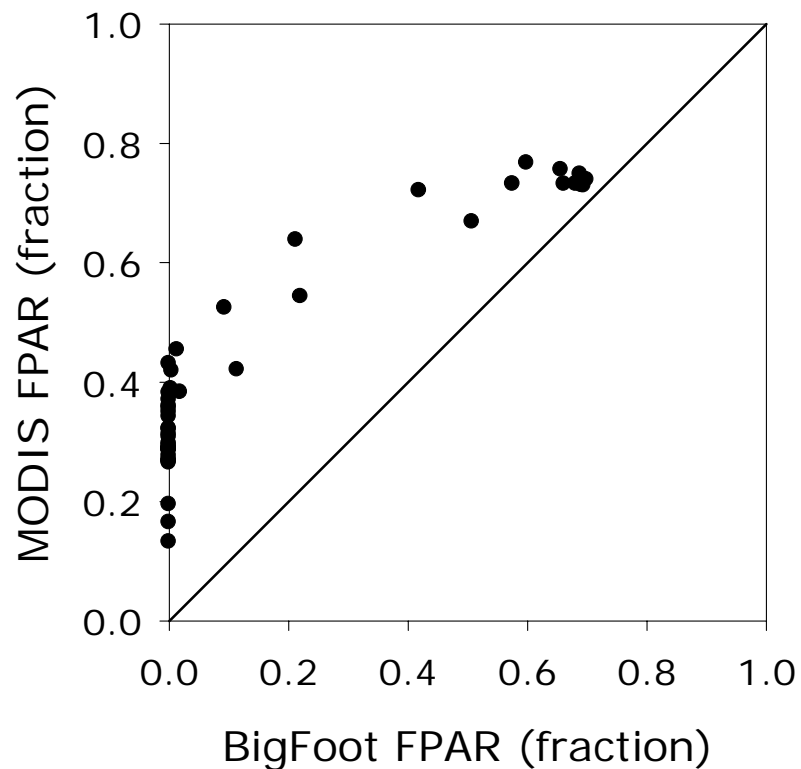
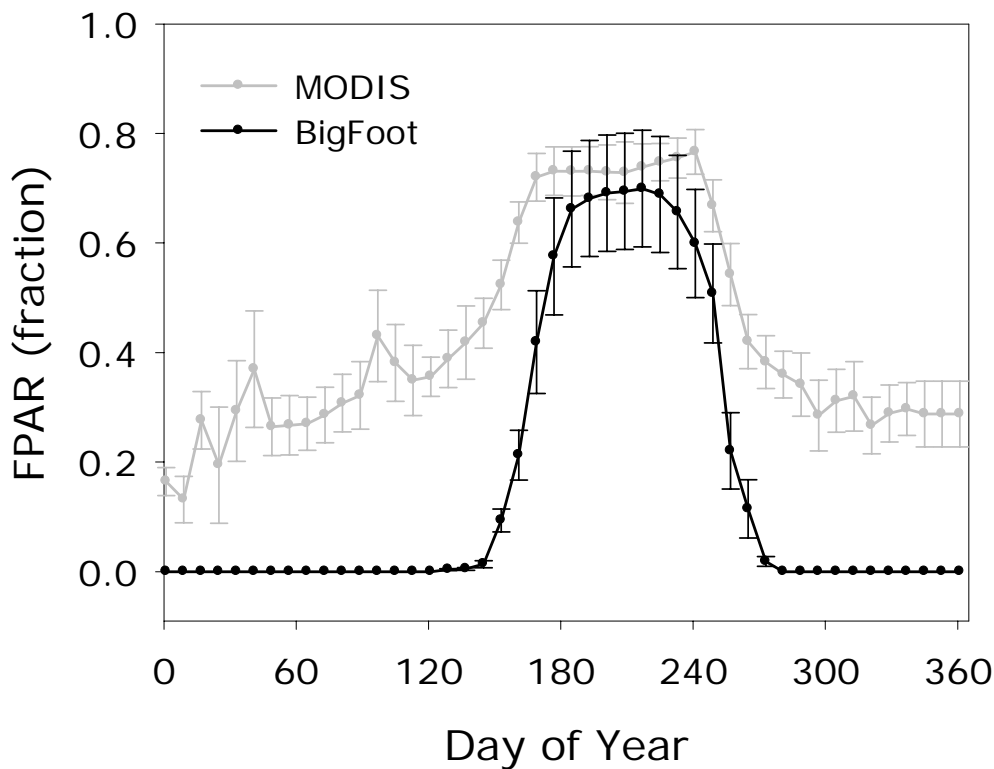
**Year: 2000
Site: AGRO (Illinois, USA)
Biome: Cropland**



* DAO – Data Assimilation Office

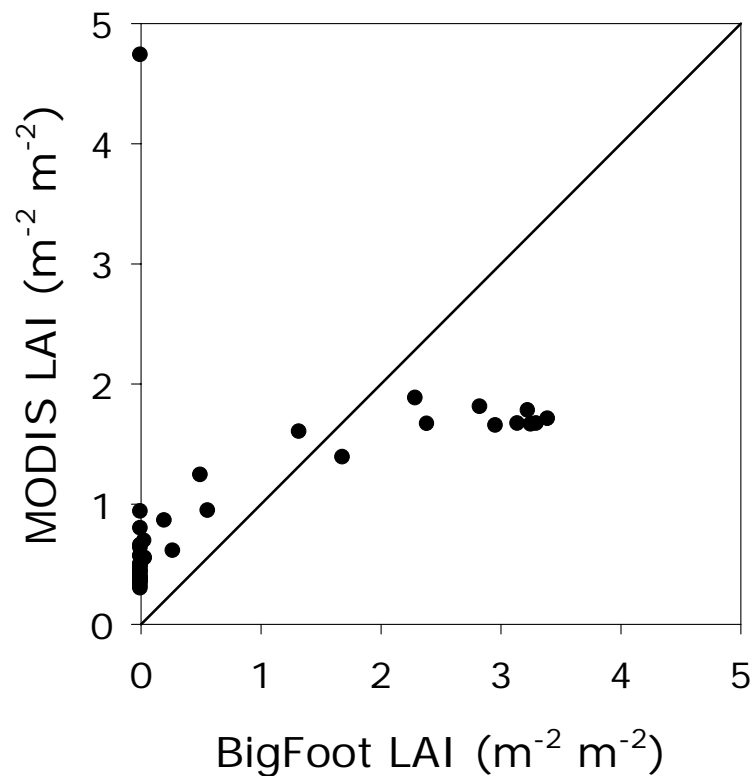
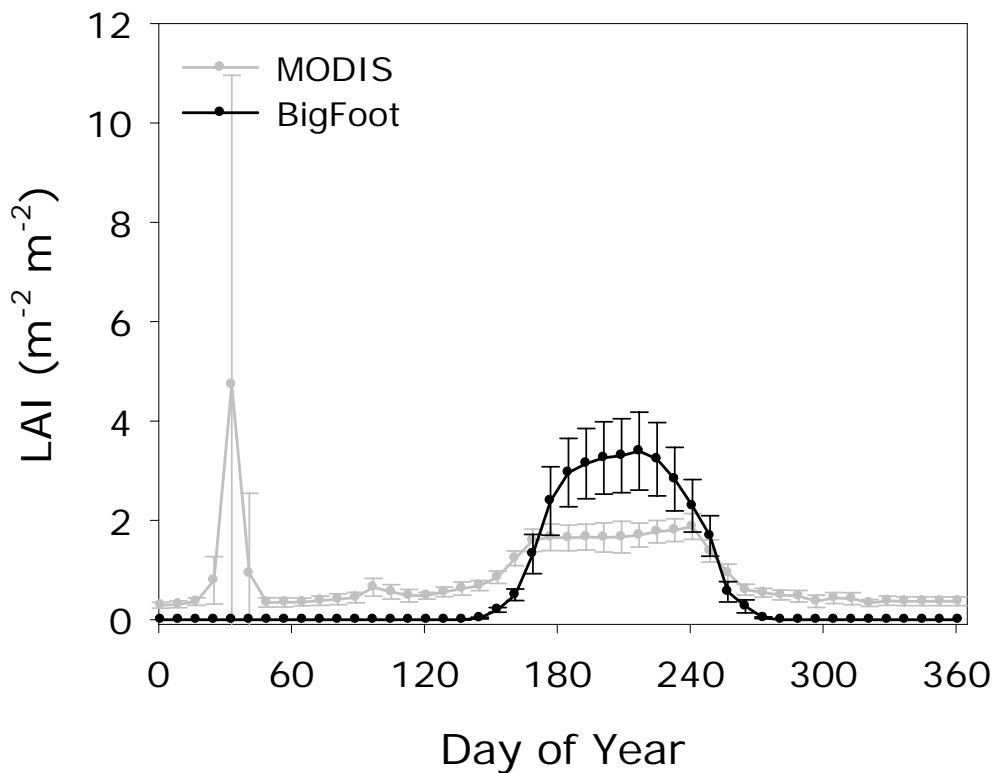
BigFoot
FPAR Comparison
BigFoot vs. MODIS

Year: 2000
Site: AGRO (Illinois, USA)
Biome: Cropland



BigFoot
LAI Comparison
BigFoot vs. MODIS

Year: 2000
Site: AGRO (Illinois, USA)
Biome: Cropland



BigFoot
LUE Comparison
BigFoot vs. MODIS

Year: 2000
Site: AGRO (Illinois, USA)
Biome: Cropland

